

US EPA RECORDS CENTER REGION 5



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Monthly Oversight Report 8
ACS NPL Site
Griffith, Indiana
August 4, 2001 - August 31, 2001



BLACK & VEATCH

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Black & Veatch Special Projects Corp.

USEPA/RAC VII
American Chemical Services RAO (057-ROBF-05J7)

BVSPC Project 46526
BVSPC File C.3
September 11, 2001

Mr. Kevin Adler
U.S. Environmental Protection Agency
77 W. Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

Subject: Monthly Oversight Summary Report
No. 8 for August 2001

Dear Mr. Adler:

Enclosed is the Monthly Oversight Summary Report No. 8 for August 2001 for the American Chemical Services Superfund Site in Griffith, Indiana.

If you have any questions, please call (312-683-7856) or email (campbellm@bv.com).

Sincerely,

BLACK & VEATCH Special Projects Corp.

Larry M. Campbell, P.E.
Site Manager

Enclosure

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Monthly Oversight Summary Report No. 8
ACS Superfund Site WA30, 46526.238

Reporting Period: Month of August (August 4 - August 31, 2001)

BVSPC O/S Dates: August 7, 9, 14, 16, 21, 23, 28 and 30, 2001

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	6	Respondent's General Contractor
Black & Veatch Special Projects Corp.	2	USEPA Oversight Contractor
USEPA	1	
IDEM	1	
Austgen Electrical	2	Electrical Contractor
Koester Environmental Services	8	OFCA Temporary Cover Contractor
Midwest Environmental, Inc.	6	PCB Soils Excavation Contractor
S&H Surveying	3	Koester Environmental Services Surveyor
Boart Longyear	8	ISVE Well Installation Contractor
Great Lakes Soil & Environmental	1	OFCA Clay Cover Compaction and Moisture Testing
Nutec	1	Geotextile Supplier
Simalabs	1	Laboratory
Environ	1	
Area Survey	2	Surveying Contractor

Construction Activities

Major Activities:

- Koester Environmental Services completed OFCA clay cover installation.
- Midwest Environmental, Inc. completed the initial excavation of PCB impacted soils from wetland.
- Boart Longyear completed installation of ISVE wells in the Kapica-Pazmey area.
- Austgen installed the permanent power supply to the OFCA blower shed and EW-20C.
- Montgomery Watson Harza installed the penetration piping for the OFCA blower shed.

Activities Performed:

Koester Environmental Services (KES) completed the installation of the OFCA clay cover. Great Lakes Soil & Environmental performed moisture and compaction testing on the cover and found it to meet specifications. KES relocated a portion of the tree stumps to the northwest portion of the OFCA. The remainder of the tree stumps and wood chips were placed on the western portion of the OFCA near Colfax Ave. KES began placing top soil on the non-engineered cover areas and constructing the swales. KES is expected to be finished with the cover activities during the week of September 3, 2001.

Midwest Environmental, Inc. completed the initial excavation of the PCB impacted soils from the wetland area. The temporary road was dismantled and decontaminated for later use during pond excavation activities. Excavated soils were staged at the ACS firepond area. Montgomery Watson Harza (MWH) sampled the excavation and found four areas where the concentration of PCBs exceeded 1 ppm. These areas will be excavated during pond excavation activities.

Boart Longyear (BLA) mobilized to the site and began ISVE well installation activities during the week of August 27, 2001. Drilling activities were performed with modified Level B PPE. BLA performed air monitoring at the drill rig and at the boundary of the exclusion zone. MWH also performed air monitoring at the perimeter of the exclusion zone as a quality control. BLA installed the 12 ISVE wells in the Kapica-Pazmey area.

Austgen installed the permanent power supply to the OFCA blower shed. A permanent power line was also placed a portion of the distance from the blower shed to extraction well EW-20C. Lines were placed in the clay cover. Austgen compacted the trenches that were excavated for the lines in order to maintain the integrity of the cover.

MWH completed the installation of the penetration piping for the OFCA blower shed. Ryan Construction was contracted to install a mud slab and concrete slab for the blower shed. Installation of the blower shed was postponed to mid October.

MWH has reached a tentative agreement with Contract Dewatering Services (CDS) to install a 48-inch-diameter manhole down to the trench tile near extraction well EW-20C. MWH plans to review health and safety issues with CDS. CDS will be submitting plans for the manhole installation which is expected to take 2-3 weeks.

MWH reviewed drum incineration options with the PRP group. The 90-day storage time period expired on August 31, 2001 and MWH has submitted a request for a 30-day extension.

Attached are Black & Veatch Special Projects Corp. (BVSPC) weekly reports No. 23 through 26, correspondence, log book notes, and photographs of the daily activities. BVSPC's crew conducted oversight of the major field activities on August 7, 9, 14, 16, 21, 23, 28 and 30, 2001.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

Concern Resolution:

- None to report this month.

Upcoming Activities:

- KES to finish swales, placing topsoil and erosion matting, and seeding.
- MEI to complete excavation of PCB soils from wetland area and begin pond excavation.
- BLA to install ISVE wells in the OFCA.
- Ryan Construction to pour mud slab and concrete slab for OFCA blower shed.
- Austgen to install power boxes at OFCA extraction wells.
- CDS to install a 48-inch-diameter manhole near extraction well EW-20C.
- Third quarter groundwater sampling scheduled for September 24, 25, and 26, 2001.
- Residential wells groundwater sampling scheduled for mid-October.

Signatures: Leigh Albrecht

Date: September 10, 2001

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Weekly Oversight Summary Report No. 23
ACS Superfund Site WA30, 46526.238

Reporting Period: Week of August 6, 2001

BVSPC O/S Dates: August 7 and 9, 2001 (Mr. Campbell)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	6	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Koester Environmental Services	7	OFCA Temporary Cover Contractor
Midwest Environmental, Inc.	5	PCB Soils Excavation Contractor
Austgen Electrical	3	Electrical Contractor
S&H Surveying	3	Surveyor for Koester Environmental Services
Great Lakes Soil & Environmental	1	OFCA Clay Cover Compaction and Moisture Testing
IDEM	1	
Nutec	1	Geotextile Supplier
Simalabs	1	Laboratory

Construction Activities

Major Activities:

- Koester Environmental Services placed, graded and compacted clay on OFCA.
- Clay cover tested for compaction.
- Midwest Environmental, Inc. began excavating PCB soils from wetland area.
- Boart Longyear rescheduled to begin during week of August 20, 2001.

Activities Performed:

Koester Environmental Services (KES) imported approximately 2/3 of the clay for the cover. KES is in the process of conditioning the clay and compacting the cover. Effluent from the GWTP was used by KES to water the clay. S&H Surveying staked the grades for the OFCA cover. Great Lakes Soil & Environmental performed moisture and compaction testing on the OFCA cover areas that KES has

completed. Initial density testing activities indicated that the clay cover was not meeting compaction or moisture requirements. Additional density testing was performed on the compacted clay cover on August 9, 2001. Montgomery Watson Harza (MWH) has set the final elevation for the OFCA blower pad. KES will construct the perimeter swales with riprap and erosion matting.

Midwest Environmental, Inc. (MEI) removed the PGCS spoil pile from the wetlands and placed it in the firepond area separate from the PCB soils. MEI removed the trees from the north area of the temporary road and started excavating PCB impacted soils from the western portion of the wetland. The excavated soils were temporarily stockpiled on a bermed area west of the ACS firepond. MWH began confirmation sampling of the excavation on August 9, 2001. MWH submitted the samples to CompuChem for standard turn-around-time (TAT) and to Simalabs, a local laboratory, for 24 hour TAT.

Boart Longyear's (BLA) start date was delayed in order for KES to finish installing the clay cover on the OFCA where the ISVE wells are located. BLA was rescheduled to mobilize during the week of August 20, 2001 and will begin in the Kapica-Pazmey area. BLA is required to perform drilling activities in Level B PPE and to monitor the exclusion zone for oxygen, LEL and combustible gas. BLA will take Draeger tubes for vinyl chloride. Kevin Adler suggested that BLA should also monitor for cyanide.

MWH presented a decision tree for the disposal of the overpack drums and drum carcasses. MWH also addressed the potential for exceeding the 90-day storage period for the drum wastes and will request an extension from IDEM if necessary. MWH continued to monitor the roll-off boxes twice daily for vapors and replaced some of the bungee cords and tarps on the boxes.

MWH increased the flow of water to the groundwater treatment plant in order to provide KES with sufficient water for dust control and construction of the OFCA clay cover. MWH began emptying and cleaning zones of the biotank not needed for the process to serve as surge capacity.

MWH and Contract Dewatering Services (CDS) continued to evaluate extraction well EW-20 since it is not functioning at its design capacity. MWH may need to activate other wells in the OFCA to compensate for EW-20.

An excavator hit an unpressurized forcemain while removing a ring near EW16. The worker nearby was 40-hr trained, however the proper documentation was not present at the time of the incident and was later brought to the site.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

Concern Resolution:

- None to report.

Upcoming Activities:

- KES to continue placing, grading and compacting OFCA clay cover.
- MEI to excavate PCB soils from wetland area.
- BLA scheduled to mobilize during the week of August 20, 2001.
- MWH and CDS to evaluate EW-20.

Signature: Larry Campbell

Date: August 18, 2001

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**WEEKLY CONSTRUCTION MEETING MINUTES
FOR AUGUST 9, 2001 MEETING
AMERICAL CHEMICAL SERVICES NPL SITE**

MEETING DATE: August 9, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site – Site Trailer

ATTENDEES:

Robert Adams	(Montgomery Watson Harza)
Vivek Agrawal	(Montgomery Watson Harza)
Travis Klingforth	(Montgomery Watson Harza)
Todd Lewis	(Montgomery Watson Harza)
Lee Orosz	(Montgomery Watson Harza)
Tom Tinics	(Montgomery Watson Harza)
Peter Vagt	(Montgomery Watson Harza)
Joe Willich	(Montgomery Watson Harza)
Kevin Adler	(U.S. Environmental Protection Agency) – via phone
Sean Grady	(Indiana Department of Environmental Management)
Larry Campbell	(Black & Veatch)
Jim Hawkins	(Koester Environmental Services)
Jeff Wickham	(Koester Environmental Services)
Ken Field	(Midwest Environmental, Inc.)

TOPICS

Health and Safety

No health and safety problems have occurred in the past week. Heat stress, due to the recent hot weather, has been addressed by all contractors on site with use of lots of liquids, shade, and regular reminders of the early symptoms of heat stroke.

Daily health and safety meetings are conducted by each contractor on site. Entire site health and safety meetings, attended by all contractors on site, are held weekly where the health and safety awards program is conducted. Boart Longyear, the contractor for the ISVE Well Installation, will begin attending these meetings after they mobilize.

Lee Orosz of MWH reminded everyone of the truck traffic patterns for the PCB wetland excavation and the Off-Site cover construction work.

PCE Soils Excavation

Ken Field of Midwest Environmental, Inc. (MEI) updated everyone on the project status. A temporary road was installed which extended the full length of the excavation area. Excavation began on Wednesday, August 8, 2001 beginning with the stockpiled spoils generated from construction of the Perimeter Groundwater Collection System (PGCS). Excavated soil is being transported to a prepared area just west of the ACS firepond for temporary stockpiling in a bermed area. The few remaining trees which were in the excavation area were felled. Decontamination stations were set up at the east end of the temporary and at the spoils pile area.

near the firepond. Confirmation samples will begin to be collected on August 9, 2001. Excavation will continue moving east down the temporary road.

OECA Interim Cover Construction

Jim Hawkins of Koester Environmental Services (KES) briefed the meeting attendees about the progress of the Off-Site Area Interim Cover Construction. Approximately two-thirds of the clay has been delivered to the site as of August 9, 2001. KES continues to condition the clay with water and compaction. Each day Great Lakes Soil & Environmental conducts moisture and compaction testing on areas which KES has conditioned. The base layer of clay is expected to be completed next week in the portion of the site to receive the engineered cover. An additional water truck was added and access to a hydrant was arranged to condition the clay.

ISVE Well Installation

Boart Longyear, the contractor selected to install the ISVE wells, has delayed mobilization for a few days to allow KES to complete clay installation in the portions of the Off-Site Area where the ISVE wells will be installed. They will mobilize at the end of the week of August 13, 2001 or perhaps the beginning of the following week. Drilling is expected to begin in the Kapica Pazmey area.

Drum Removal

Todd Lewis (MWH) distributed a flow chart detailing the various disposal options for the overpacked drums and roll-off boxes resulting from the Buried Drum Removal conducted by KES in May 2001. MWH continues to be in contact with disposal facilities. MWH may exceed the ninety-day RCRA timetable for disposing of hazardous waste, however Sean Grady indicated that the State of Indiana would likely grant an extension.

MWH has not received from KES all of the results from the PCB analysis performed on some of the sampled drums. These results may affect disposal options.

Summary of Past Two Weeks

The Groundwater Treatment Plant (GWTP) continues to operate efficiently. Effluent is currently being directed to a 20,000 gallon fract tank which KES reuses to achieve the required moisture in the clay they are installing in the Off-Site Area. Also, KES is able to use water from the American Chemical Service (ACS) facility or the Town of Griffith, if needed.

Surge capacity inside the GWTP will be decreased as the Firepond will be soon closed and will not be available to provide surge capacity.

Extraction well EW-20 is still not functioning at design capacity, however MWH and Contract Dewatering Services (CDS), the contractor who installed the well, continue to assess the problem. In the meantime, other pumps will be brought on-line to compensate. Permanent electric lines will be run to extraction wells EW-16, EW-15, EW-19, and EW-19A.

The Next Weekly Construction Meeting

The next weekly construction meeting is set for Thursday, August 16, 2001

TMK/TAL/RAA/PJV

Weekly Oversight Summary Report No. 24
ACS Superfund Site WA30, 46526.238

Reporting Period: Week of August 13, 2001

BVSPC O/S Dates: August 14 (Ms. Mulkerrin) and 16, 2001 (Mr. Gailey)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	4	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Koester Environmental Services	8	OFCA Temporary Cover Contractor
Midwest Environmental, Inc.	4	PCB Soils Excavation Contractor
Austgen Electrical	2	Electrical Contractor
IDEM	1	
Great Lakes Soil & Environmental	1	OFCA Clay Cover Compaction and Moisture Testing
Environ	1	

Construction Activities

Major Activities:

- Koester Environmental Services completed 75% of the OFCA clay cover.
- Great Lakes Soil & Environmental tested the clay cover for compaction.
- Midwest Environmental, Inc. continued excavating PCB soils from wetland area.
- Boart Longyear was rescheduled to begin the ISVE well installation during the week of August 27, 2001.

Activities Performed:

Koester Environmental Services (KES) completed 75% of the clay cover in the OFCA. KES used a smooth drum roller for compaction since the sheepfoot created additional surface area which caused the clay to dry out. Great Lakes Soil & Environmental was testing the clay cover on a daily basis. KES will "texturize" the clay cover at locations where soil is to be placed as the final cap in order to ensure stability. Perimeter swales were constructed by KES. The tree stumps and wood chips that were stockpiled at the center of the OFCA and will be moved to near the retention pond next week. KES anticipates completing the clay cover in the next 2-3 weeks.

Midwest Environmental, Inc. (MEI) continued excavating soils from the west portion of the wetland and stockpiling them at the ACS firepond area. MEI left the areas of PCBs greater than 50 ppm for excavation at a later time. MEI stated that the firepond area is getting full and it is becoming a challenge to manage. Montgomery Watson Harza (MWH) will evaluate the remaining storage in the firepond and will find another location for staging should the firepond be insufficient. MWH sampled the excavated material and took confirmation samples from the excavation. Split confirmation samples from Simalabs returned with concentrations of PCBs less than 1 ppm. MEI anticipates completing the excavation in 7-10 days. The PRPs decided to propose the construction of a pond in the excavated area and will draft a letter to the Agencies detailing their plan.

Boart Longyear's (BLA) start date was delayed in order for KES to finish the clay cover installation on the OFCA where the ISVE wells are to be installed. BLA was rescheduled to mobilize during the week of August 27, 2001, and will begin in the Kapica-Pazmey area. MWH will have the ISVE well locations surveyed and staked by Area Survey. Any wells that Area Survey cannot stake will be located through a global positioning system instrument and tape measure.

MWH and the PRP group is deciding on three incinerator options for the disposal of the overpack drums and drum carcasses. MWH drafted a letter to IDEM requesting a 30-day extension for the storage of the overpack drums and drum carcasses.

MWH shut off the electrical power to the OFCA during cover construction activities which shut off the BWES. Extraction from the firepond has ceased since it is filled with soils from the wetland excavation activities. MWH continues to pump GWTP discharge to a 20,000-gallon fract tank located on the northern portion of the OFCA for use by KES in the cover construction. When the tank overfills, the water drains to the retention pond. MWH has removed all but two piezometers from the OFCA. The remaining two piezometers are located on the northwest corner of the site, east of the retention pond. MWH did not have plans to replace the removed piezometers and felt that the two remaining piezometers would be sufficient.

The conveyance line 21 between EW-11 and EW-20 was blocked and could not be snaked. MWH and KES will be repairing the conveyance line during the week of August 20, 2001.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

Concern Resolution:

- None to report.

Upcoming Activities:

- KES will continue placing, grading and compacting OFCA clay cover.
- MEI will continue excavating PCB soils from wetland area.
- BLA is scheduled to mobilize during the week of August 27, 2001.
- KES and MWH will repair line 21 between EW-11 and EW-20.

Signatures: Margaret Mulkerrin
Chad Gailey

Date: August 20, 2001

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**WEEKLY CONSTRUCTION MEETING MINUTES
FOR AUGUST 16, 2001 MEETING
AMERICAL CHEMICAL SERVICES NPL SITE**

MEETING DATE: August 16, 2001

MEETING TIME: 10:20 AM

MEETING LOCATION: ACS Site – Site Trailer

ATTENDEES:

Rob Adams - MWH
Todd Lewis - MWH
Lee Orosz - MWH
Peter Vagt - MWH
Sean Grady - IDEM
Mark Travers - Environ
Chad Gailey - BVSPC
Jeff Wickham - KES

TOPICS

Health and Safety

There have been no health and safety incidents in the past week. Each contractor holds daily tailgate meetings on the site, and each week all contractors working on the site continue to meet for a joint health and safety meetings.

Summary of Past Two Weeks

The Barrier Wall Extraction System (BWES) has been shut off this week due to the Off-Site Area cover work Koester Environmental Services (KES) is performing in the Off-Site Area. In addition, water is no longer being pumped to the Groundwater Treatment Plant (GWTP) from the firepond because the firepond has been filled to near capacity with soil excavated from the wetlands. The GWTP continues to discharge treated effluent to the 20,000-gallon fract tank in the Off-Site Area for use by KES.

OFC/ Cover Construction

Approximately 75% of the Off-Site Area has been covered with clay which has passed the compaction and moisture requirements set forth in the work plan. KES anticipates completing their work in the engineered-cover area by the middle of the week of August 20, 2001. They plan to complete the entire job in two to three more weeks. The tree stumps and wood chips currently stockpiled in the center of the Off-Site Area will be moved to near the retention pond beginning the week of August 20, 2001.

ISVE Well Installation

Boart Longyear, the contractor selected to perform the ISVE well installation, will begin mobilization during the week of August 27, 2001. Area Survey will establish as many well locations as possible by survey prior to Boart Longyear's mobilization. Remaining well locations will be field located with a global positioning system (GPS) instrument and a tape measure.

PCB Soils Excavation

The excavation is progressing well and daily split confirmation samples analyzed by Simalabs have all returned with PCB concentrations below the cleanup objective of 1 part per million. As the temporary road panels are removed, they will be decontaminated. All excavated material is currently being stockpiled in the firepond.

Midwest Environmental, Inc. (MEI) estimates approximately three to four more days until the excavation is complete. At that point, the restoration work will begin and will last approximately 7-10 days. The PRP group has decided to propose to the Agencies modifying the restoration plan to one that will leave an area of open water. They will draft a letter to the Agencies detailing the plan.

Drum Removal

MWH and the PRP group is currently deciding between three incinerator options for disposal of the material removed during the drum excavation in May 2001. Since it appears that more than 90 days will pass between the drum removal and disposal, MWH has written a letter to the Industrial Waste Compliance Section of IDEM, requesting a 30-day extension on holding time for the excavated drums.

Looking Ahead Two Weeks

During the week of August 20, 2001, KES and MWH will repair line 21 between extraction wells EW-11 and EW-20, which KES originally installed.

Next Weekly Construction Meeting

- Thursday, August 23, 2001

TMK/PJV/RAA

Weekly Oversight Summary Report No. 25
ACS Superfund Site WA30, 46526.238

Reporting Period: Week of August 20, 2001

BVSPC O/S Dates: August 21 and 23, 2001 (Mr. Campbell and Ms. Albrecht)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	4	Respondent's General Contractor
Black & Veatch Special Projects Corp.	2	USEPA Oversight Contractor
Koester Environmental Services	8	OFCA Temporary Cover Contractor
Midwest Environmental, Inc.	6	PCB Soils Excavation Contractor
Austgen Electrical	2	Electrical Contractor
USEPA	1	
Great Lakes Soil & Environmental	1	OFCA Clay Cover Compaction and Moisture Testing

Construction Activities

Major Activities:

- An Austgen driver knocked down a temporary power line at the OFCA.
- Koester Environmental Services completed 90-95% of OFCA clay cover.
- Midwest Environmental, Inc. began removing and decontaminating the temporary road from wetland area.
- Boart Longyear scheduled to begin during the week of August 27, 2001.
- Austgen installed temporary power supply to EW-20.
- Montgomery Watson Harza reviewed drum disposal options with PRP group.

Activities Performed:

Montgomery Watson Harza (MWH) reported that a driver from Austgen knocked down a temporary power line located on the north portion of the OFCA on August 22, 2001. The power line severed at the fused links as designed. The area was cautioned off and no injuries occurred. The Northern Indiana Public Service Co. was notified of the incident and Austgen will be repairing the line. MWH is preparing an incident report.

Koester Environmental Services (KES) completed approximately 90-95% of the clay cover on the OFCA.

Great Lakes Soil & Environmental tested the cover for moisture and compaction. KES began installing the riprap in the swales and expects to be finished on August 24, 2001. KES was scheduled to lay the erosion matting and top soil during the week of September 3, 2001. The fract tank will be removed early next week after the clay cover is completed and the GWTP discharge will be redirected to the creek south of the railroad tracks.

Midwest Environmental, Inc. (MEI) began decontaminating the temporary road at the drum storage area. MEI started excavating the PCB impacted soils under the gravel road located immediately west of the GWTP and expects to be finished by August 23, 2001. MEI continued to store the excavated soils at the firepond area. MWH received the excavation confirmation sampling results from Simalabs. To date, all of the confirmation sample results were below 1 ppm. MWH did not receive confirmation sampling results from CompuChem. MEI expects to install the decontaminated temporary road into the wetland area around August 27, 2001, to begin the pond excavation. Spoils from the pond excavation will be staged on the OFCA near Colfax Ave. for future use as the root zone cover. Excavation water will be directed to the water treatment plant.

MWH scheduled a kick-off meeting with Boart Longyear (BLA) for August 28, 2001. BLA is scheduled to mobilize to the site on August 27, 2001. MWH approved BLA's Health and Safety Plan; however, MWH is still waiting for BLA's certifications for their onsite personnel. MWH has scheduled Chad Smith to oversee ISVE well installation and to perform exclusion zone air monitoring in addition to BLA's monitoring requirements.

MWH scheduled to place the penetration piping in the blower shed area during the week of August 27, 2001. KES completed the blower shed pad sub-base. MWH contracted with Ryan Construction to begin pad construction on September 4, 2001. Blower shed delivery was postponed to mid October in order for the concrete and surface coating to cure.

Austgen installed a temporary power supply from extraction well EW-20C to a nearby temporary pole. Austgen was scheduled to run the permanent power supply from Colfax Ave. to the blower shed to EW-20C next week. Austgen will lay the power lines in the clay cover and recompact the clay. Austgen was also contracted to assemble the power boxes for the OFCA extraction wells.

MWH reached a tentative agreement with Contract Dewatering Services (CDS) to install a 48-inch-diameter manhole down to the trench tile near extraction well EW-20C.

MWH reviewed drum disposal options with the PRP group. Macroencapsulation was eliminated from the disposal options and MWH is investigating incineration. The 90-day storage time period for the overpack drums and drum carcasses expires on August 31, 2001, and MWH has submitted a request for a 30-day extension to Sean Grady at IDEM.

MWH is processing PGCS and BWES water in the GWTP. A carbon change-out was scheduled for September 5, 2001; however, MWH will sample the COD to confirm the need for the replacement of the carbon.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

Concern Resolution:

- None to report.

Upcoming Activities:

- KES will complete OFCA cover installation and placement of riprap.
- MEI to complete excavation of PCB soils from wetland area and begin pond excavation.
- BLA scheduled to mobilize August 27, 2001.
- MWH to install penetration piping in blower shed floor slab.
- Austgen to install a permanent power supply to blower shed and EW-20C.
- CDS to submit plans for the manhole installation near EW-20C.

Signature : Leigh Albrecht

Date: August 28, 2001

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**WEEKLY CONSTRUCTION MEETING MINUTES
FOR AUGUST 23, 2001 MEETING
AMERICAL CHEMICAL SERVICES NPL SITE**

MEETING DATE: August 23, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site - Site Trailer

ATTENDEES:

Peter Vagt - MWH
Todd Lewis - MWH
Travis Klingforth - MWH
Lee Orosz - MWH
Kevin Adler - U.S.EPA
Leigh Albrecht - BVSPC
Larry Campbell - BVSPC
Ken Field - MEI
Jim Hawkins - KES

TOPICS

Health and Safety

Daily health and safety meetings are held by Midwest Environmental, Inc. (MEI) and Koester Environmental Services (KES), in addition to the weekly joint health and safety meeting attended by all contractors on the site.

No personal health and safety issues have occurred in the last week. On August 22, 2001 an Austin work truck knocked down a temporary power line located in the north part of the Off-Site Area. NIPSCO was called and the area was immediately cautioned off. The line will be repaired soon.

Despite the extreme heat wave experienced a few weeks ago on the site, no heat related incidents were reported. Cooling stations are set up in the Groundwater Treatment Plant (GWTP), in the Off-Site Area with KES, and with MEI.

GWTP Status

The GWTP is online and receiving water from the Barrier Wall Extraction System (BWES) and Perimeter Groundwater Containment System (PGCS). The surge capacity of the GWTP will be increased for the upcoming Mechanical work to be performed in conjunction with the installation of the Blower Shed in the Off-Site Area.

OFC/A Cover Construction

Approximately 90%-95% of the clay has been installed and successfully tested for compaction and moisture. The remaining rip rap will be installed in the swales by August 24, 2001. Topsoil will be completed during the week of August 27, 2001, and erosion matting and grass seed will be laid the week of September 3, 2001. After the interim clay cover is in place, discharge from the GWTP will be redirected to the creek south of the railroad tracks once again.

In-Situ Vapor Extraction (ISVE) Well Installation

Mobilization of Boart Longyear & Associates (BLA) will begin August 27, 2001. They will begin installing the Kapica-Pazmey (K-P) ISVE wells. The locations of the K-P wells will be surveyed on August 24, 2001. The kickoff meeting and initial health and safety meeting will occur on August 27 or August 28, 2001.

MWH and BLA will coordinate their health and safety efforts. Both exclusion zone and perimeter air monitoring will be conducted, and a windsock will be placed on the drill rig(s).

PCB Soils Excavation

The wetland excavation, as originally delineated, will be completed on August 23, 2001. The temporary road panels are currently being removed and decontaminated. A consensus has been reached between the Agencies and the PRP Group to continue with the construction of a pond. After all initial confirmation sample results have been received, and additional impacted material is removed if needed, the wetlands will be excavated to a maximum depth of eight feet and restored to a condition of open water.

Blower Shed Installation

The blower shed foundation pad penetration piping will be placed in the blower shed area during the week of August 27, 2001. The blower shed clay sub-base has met required grade and passed compaction and moisture testing. Ryan Construction is scheduled to begin pad construction September 4, 2001. Blower shed delivery will be postponed until concrete coating is placed on pad.

Off-Site Utility Work

Austgen Electric has installed a temporary underground power supply from extraction well EW-20C to the nearby temporary power pole 30 ft. away. Permanent power for EW-20C will be installed next week from Blower Shed to EW-20C. Next week we expect to install permanent power feed from Colfax Ave. to the Blower Shed. Austgen Electric is currently assembling power boxes to be installed at each Off-Site Area Extraction Well.

BWES Update

A tentative agreement has been reached with Contract Dewatering Services to install a new extraction well within the alignment of EW-20, 20A, 20B, and 20C. The work is projected to take 2 to 3 weeks.

Drum Removal

A conference call with PRP group last week was conducted to discuss disposal options for the material excavated during the drum removal. Disposal options have been narrowed to 3-4 incinerators. Currently, MWH is collecting audit information on each incinerator to report to group. Everything excavated is scheduled to be incinerated. The 90-day RCRA deadline for the disposal of excavated material is August 31, however a request for extension has been filed with the state of Indiana.

Next Weekly Construction Meeting

- Thursday, August 30, 2001

TMK/BA

Weekly Oversight Summary Report No. 26
ACS Superfund Site WA30, 46526.238

Reporting Period: Week of August 27, 2001

BVSPC O/S Dates: August 28 (Ms. Albrecht) and 30, 2001 (Mr. Campbell and Ms. Albrecht)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	4	Respondent's General Contractor
Black & Veatch Special Projects Corp.	2	USEPA Oversight Contractor
Koester Environmental Services	5	OFCA Temporary Cover Contractor
Midwest Environmental, Inc.	4	PCB Soils Excavation Contractor
Austgen Electrical	1	Electrical Contractor
Boart Longyear	8	ISVE Well Installation Contractor
IDEM	1	
Area Survey	2	Surveying Contractor
Great Lakes Soil & Environmental	1	OFCA Clay Cover Compaction and Moisture Testing

Construction Activities

Major Activities:

- Austgen repaired the damaged temporary power line.
- Koester Environmental Services, Inc. completed OFCA cover construction, relocated trees and wood chips, and began placing topsoil.
- Midwest Environmental, Inc. completed PCB soil excavation and began repairing the weir and OFCA detention pond.
- Boart Longyear mobilized to site and completed ISVE well installation in the Kapica-Pazmey area.
- Montgomery Watson Harza installed penetration piping for the OFCA blower shed.
- Austgen installed the permanent power supply to the OFCA blower shed and EW-20C.

Activities Performed:

Austgen repaired the temporary power line that had been knocked down last week on August 22, 2001. Montgomery Watson Harza (MWH) prepared an incident report and the drivers were told to slow down their movement and be more observant.

Koester Environmental Services (KES) completed the installation of the clay cover on the OFCA. The cover was sampled by Great Lakes Soil & Environmental and passed compaction and moisture tests. KES relocated the trees and wood chips to the western portion of the OFCA near Colfax Ave. A portion of the tree stumps were also relocated to the northern portion of the OFCA near the detention pond. KES began spreading topsoil on the eastern portion of Area 1 and Area 3. MWH redesigned swale 4 by increasing the width and depth by raising the sides by 6 to 9 inches. KES began regrading swale 4 with top soil in order to achieve drainage to the detention pond. During the storm activities over the weekend, drainage from swale 5 washed out the riprap in the western portion of swale 1 at the junction between the two swales. KES placed bales of hay at the mouth of the swale 5 to prevent future washouts. KES will be installing erosion matting on the interior swales and will begin seeding next week.

Midwest Environmental, Inc. (MEI) completed the excavation of the PCB-impacted soils and removed and decontaminated the temporary road. Due to the rain event on August 25, 2001, the pump that diverts water to the south side of the railroad tracks lost power and the wetland excavation flooded. MEI began pumping the water to the GWTP to dewater the excavation area. Pond excavation activities were placed on hold until the dewatering is complete. MEI began repair activities to the weir and OFCA detention pond that were also damaged during the rain event. MWH confirmation samples indicated that four areas would require additional excavation which will be completed as part of pond excavation activities. MWH has received approximately half of the results from CompuChem which have confirmed their earlier sampling results.

Boart Longyear (BLA) mobilized to the site on August 27, 2001. MWH and BLA held a kick-off meeting on August 28, 2001. MWH prepared the well locations in the Kapica-Pazmey area by excavating a 1-foot-deep pit through the clay at each location. BLA began drilling activities on August 29, 2001, and completed the installation of the ISVE wells in the Kapica-Pazmey area. During drilling activities, BLA performed continuous air monitoring at the drill rig. Exclusion zone air monitoring was conducted every half hour and was recorded by BLA in a log book of monitoring activities. In addition to air monitoring activities with a PID and for combustible gas, LEL and oxygen, BLA sampled for vinyl chloride using Draeger tubes. Vinyl chloride was not detected. MWH also performed exclusion zone monitoring with a PID as a quality control every half hour.

MWH classified the soils at varying depths of the ISVE wells. The ISVE wells installed consist of a 10 to 15-foot-long screen interval (depending on well location) and a 10-foot-long riser. Spoils from the well installation were stockpiled at each individual well with a plastic lining and cover. The spoils were then transported to a lined and tarped rolloff box located immediately north of the Kapica-Pazmey area. Although air monitoring of the rolloff was not included in the ISVE installation work plan, MWH agreed to include monitoring the rolloff in their exclusion zone monitoring. No hits were detected around the rolloff box, but PID readings spiked at 3-5 ppm inside the rolloff box.

Austgen installed the permanent power supply to the OFCA blower shed from Colfax Ave. Austgen also ran a portion, approximately 80%, of the power line from the blower shed to extraction well EW-20C. The lines were placed approximately 12 inches (18 inches near Colfax Ave) into the clay cover. The native soils were not encountered during installation. Cuttings from the trenching activities were returned to the trench and were compacted by the equipment's wheel. Additional cuttings were returned to the trench and the process was repeated. After the compaction with the equipment tire, the smooth drum roller completed the compaction.

MWH completed the installation of the blower shed penetration piping on the OFCA. MWH contracted with Ryan Construction to install the mud slab and concrete floor slab. Once the concrete slab is in place and has cured, the surface coating will be installed.

The GWTP's influent is primarily from the dewatering activities being conducted at the wetlands. Over the weekend, the decontamination pad filled due to the storm activity and the water was treated in the plant. MWH plans to add an oxidizer to the GWTP process in order to use the treated effluent in the scrubber. Discharge from the GWTP continues to be directed to the area south of the railroad tracks. MWH will be replacing the pumps in wells 17 and 18, which are located on the northern portion of the ACS facility. MWH continued to monitor the overpack drums and the rolloff boxes twice daily.

Topics of Concern:

- MWH was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

Concern Resolution:

- None to report.

Upcoming Activities:

- KES to complete placing topsoil, erosion matting and seed.
- MEI to complete excavation of hot spot PCB soils from wetland area and begin pond excavation.
- BLA to begin the installation of ISVE wells on OFCA.
- Ryan Construction to pour mud slab and concrete pad for blower shed.
- Austgen to install power boxes at OFCA extraction wells.

Signatures: Leigh Albrecht

Date: August 31, 2001

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**WEEKLY CONSTRUCTION MEETING MINUTES
FOR AUGUST 30, 2001 MEETING NOTES
AMERICAN CHEMICAL SERVICES NPL SITE**

MEETING DATE: August 30, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site – Site Trailer

ATTENDEES: Tom Tinics – MWH
Lee Orosz – MWH
Travis Klingforth – MWH
Leigh Albrecht – BVSPC
Larry Campbell – BVSPC
Jim Hawkins – KES
Mike Rexing – KES
Ken Field – MEI
Keith Laszewski – Boart Longyear

TOPICS:

Health and Safety

No health and safety issues have arisen in the past week. As reported last week, an Austgen dump truck delivering clay to the Off-Site Area knocked down a temporary power line on August 22, 2001. The line has now been repaired, and no one was injured in the event.

Boart Longyear & Associates (BLA) has arrived on site to install the ISVE wells in the Off-Site Area. They are performing their work in Level B Personal Protective Equipment (PPE). At this time, BLA is working with supplied breathing air and lightweight Tyvek coveralls to reduce the likely hood of heat stress. The use of lightweight coveralls has been agreed upon because the risk of splashing from the drilling procedures is less in the Kapica-Pazmey area of the site. If conditions change, and the risk of splashing from drilling process increases, BLA will wear PVC-coated Tyvek over their light-weight coveralls.

MWH will place signs about both entrances to the Off-Site Area saying that only authorized personnel are permitted and that hard hat, safety glasses, and safety shoes are required.

Groundwater Treatment Plant (GWTP) Status

The GWTP is currently receiving 99% of its influent from the wetland area. The rainstorm over the weekend of August 25 and 26, 2001 raised the water level in the wetland area. MWH has been pumping water from the wetlands since August 27, 2001 in order to continue work in the wetland excavation area. The Perimeter Groundwater Containment System (PGCS) and Barrier Wall Extraction System (BWES) are currently turned off.

On August 30, 2001, the air pressure will be tested in the lines running between the GWTP and extraction wells, EW-17 and EW-18 in order to pace new pumps in those wells. A Request for Bid (RFB) for mechanical work related to the ISVE system will be sent to potential contractors the week of September 4, 2001.

OFCA Cover Construction

All of the clay for the interim cover has been placed by Koester Environmental Services (KES). It has passed compaction/moisture testing, and has been surveyed at final grade. Topsoil continues to be added this week and should be complete by August 31, 2001. Erosion matting and grass seeding will be placed in required areas the week of September 3, 2001. A final punchlist will be generated by MWH and KES the week of September 3, 2001.

PCB Soils Excavation

The heavy rain event on August 25 and 26, 2001 has delayed work this week. Excess stormwater continues to be pumped from the wetlands into the GWTP. The drum pad, where the temporary road panels have been being decontaminated, also fill with water and required pumping. Midwest Environmental, Inc. (MEI) will be repairing the weir in the Off-Site Area sedimentation pond on August 30, 2001. They will also be adding additional rip rap to the sedimentation pond.

According to our initial confirmation sampling, four additional areas will need to be excavated further in the wetlands excavation and then re-sampled. Also, a final management plan has not been decided upon for the material stockpiled in the firepond area.

In-Situ Vapor Extraction (ISVE) Well Installation

BLA mobilized their equipment and crew on August 27, 2001. The Construction Kickoff Meeting and Health and Safety Kickoff Meeting was held on August 28, 2001. Six ISVE wells were installed in the Kapica-Pazimey area on August 29, 2001, the first day of well installation. BLA anticipates completing well installation by September 14, 2001 if they do not encounter very many auger refusals.

Drilling has gone smoothly thus far. BLA is rotating drillers and drilling assistants to allow for sufficient hydration and rest. They regularly monitor with a photoionization detector (PID) and oxygen levels, lower explosive limits (LELs), hydrogen sulfide, hydrogen cyanide, and toxic gas levels. In addition, they are regularly pulling draeger tubes for benzene and vinyl chloride.

Blower Shed Installation

Piping which will penetrate the blower shed pad was placed during the week of August 27, 2001. Ryan Construction is scheduled to place the concrete forms on August 30, 2001 and pour the concrete for the blower shed pad during the week of September 4, 2001. Blower shed delivery will be coordinated to coincide with the curing times for the concrete foundation pad and concrete coating.

Off-Site Utility Work

Austgen Electric has laid a temporary underground power supply from extraction well EW-20C to the nearby temporary power pole located 30 feet away. Permanent power for EW-20C has been installed from Blower Shed to the vicinity of EW-20C. A permanent power feed has been run from Colfax Avenue to the Blower Shed and will be connected prior to the startup of the blower unit. Austgen Electric is assembling power boxes to be installed at each Off-Site Area Extraction Well.

Drum Removal

The PRP group is still discussing disposal options for the material excavated from the On-Site Area in May 2001.

Next Weekly Construction Meeting

- Thursday, September 7, 2001

TK/RAA

J:\209\0601 ACS\0202 MWA PM\6010202a041.doc

(44)

• Drums

- Todd in process of developing decision chart for disposal of drum contents & roll off boxes.
- MWITC has information from disposal facilities re their requirements
- Should have plan in 2-3 weeks
- After decision, drums can be shipped in 2-3 wks. Then plan to relocate roll off boxes to pad, drain & reduce size of drums & reload into roll offs, then dispose (ETC = 2 wks)

• Next Mtg 8/19

Next HHS Mtg Card handed out Tue;
dwn on Fri.

1105 • Mtg over

Substantial rain stormy had occurred during Mtg.

1110 Inspect PCP Soil Excav area,
& drainage ditch & sump

Took digital photos of this area

1200 Left site - returned to office

Jim Campbell

(45)

08-07-01 Jim Campbell

0700 Arrive Onsite

Weather clear Hot 78°F going to 90°F

- Observed KES Impact, places, water, compact clay in OFCA, Areas 1 & 3 to Density testing indicates clay not meeting compaction or moisture requirements. Rediscd Area 3 & added water to recompact.

• Personnel Onsite

Jim Hankins	KES	
Gary Yockey	Austgen	
Clad Lynch	KES	
John Eaton	KES	
Ed Williams	KES	
Lee Orsby	MWITC	
Trauts Kingfork	MWH	
Glen Wixeman	KES	
Tim Kirkland	Austgen	
Todd Lewis	MWITC	
Larry Campbell	BUVAC	
Ken Field	MEI	
Tom Tonics	MWITC	
Adam Lulimaci	Civco Lakes	Foster
Rob Adams	MWH	
Rich Flores	Austgen	

1100 Leave Site

Jim Campbell

(46)

8-9-01 JM Campbell

0930 Arrive Onsite

Weather Warm humid

Personnel onsite

* Lee Cross	MWHC
* Jim Hawkins	ICES
Clyde Lynch	ICES
Ed Williams	KES
John Eaton	KES
Mark Chandler	KES
Don Radtke	MEI
* Travis Klingforth	MWH
Mike Hancher	MEI
Louis Marshall	MEI
* Ken Field	MEI
Gene Wilson	ICES
Gary Yockey	Austgen
Tim Kirkland	Austgen
* Sean Grady	IDEM
* Todd Lewis	MWHC
A. McAuliffe	NOTAC
* Tom Tinies	MWHC
Mike Chomeweth	Simulabs
Joel Janowski	STH Surveyors
Kerry Skobvpa	SHT
Rob Janowski	SHT

JM Campbell

47

Ross Marshall	MEI
* Joe Willick	MWH
* Jeff Wickham	KES
* Peter Vagt	MWH
* Rob Adams	MWH
* Vivek Agrawal	MWH
* Larry Campbell	BUSPC

1000 Construction Meeting

Attendees - * in previous onsite list
plus Kevin Adler via Phone

• H&S

- While removing ring near EWH, excavator hit unpressurized forcemain - worker nearby was thought to NOT be 40hr trained (He was trained but paper documentation was not onsite then - is now).
- Heat stress issue being enforced daily - water & breaks
- Had weekly H&S mtg today w/ all contracting personnel
- Much truck traffic in trailer area re PCB soil remv'l.

• PCB Soil Excav

- Started removing PGCS spoil pile from wetlands + move to firepond area - segregate from other PCB soil
- Started excav from W. end of PCB area
- Cut trees N. of temp. roadway in excav area
- Estm have excavated 5% today

JM Campbell

(48)

- Will begin clearance sampling today
- Will have 1 day TAT
- have space restraints at fire pond area
- Still no decision on pond excavation
- Off Site Interim Cover
 - Approx 2/3 of clay has been imported
 - is being conditioned w/ disc, water & compact
 - Surveyors onsite setting grades
 - density testing done all day
 - Treat Plant effluent used to water clay
 - perimeter drain ditch - riprap; interim - erosion mat
 - have set final Elev. of blower pad
- ISVE
 - Boart Longyear being delayed until engr. fill ready
 - Probably Week of 8/20
 - BUSPC needs to review Boart HASP
 - Boart to be in Level B + perform exclusion zone air monitoring for O_2 , etc. will take Dragger tubes for Vinyl Chloride
 - Kevin asked if should monitor for cyanide
- Blower Shed Pad
 - Shed will be ready before pad is ready
 - MWH has received BUSPC comments
 - BUSPC expressed concern about soil compaction in Blower shed area.

Jim Campbell

(49)

- Drum Removal
 - Todd Lewis provided & describes a decision tree for disposal of overpacked drums & drum carcasses.
 - MWH noted they may exceed the RCRA 90 day storage period. Have (will) request extension from IDEM
 - Sean Grady will have ^{IDEM} RCRA group to prepare extension
 - RollOff Boxes are monitored twice daily for vapors, etc. Some tarps & bungee cords have been replaced.
- GW Treatment Plant
 - Flow through the plant has been increased in order to provide more water to KES for moisture addition & Dust Control of OFCA Cover Const.
 - MWHC is starting to empty & clean zones of biotank not needed for process to have available as surge capacity.
- EWZO Trench
 - EWZO may not have been installed properly.
 - May need to activate all well in OFCA

Jim Campbell

(50)

to replace "lost" capacity of EW20 trench.

- MWH is pumping at design capacity from EW20 trench, but only by pumping from wells EW20, 20A, B & C
- MWH will work w/ CDS to resolve / fix the trench.

• Next mtg - next Thurs 8/16

Adjourned at 11:15

~~By Campbell~~

(51)

Margaret E. Mulken 8/14/2001

800 ARRIVE ONSITE. SUNNY, 75°F. SPOKE WITH TRAVIS KLINGFORTH REGARDING CURRENT WORK. MEI IS PERFORMING PCB REMOVAL. THE DRY WEATHER HAS ALLOWED MUCH WORK TO GET DONE. T. KLINGFORTH ESTIMATED 6-8 DAYS TO COMPLETE WORK (WEATHER PERMITTING). THE CLAY CAP WORK CONTINUES IN OFCA. KOESTER IS DOING THIS WORK. GREAT LAKES ENVIRONMENTAL HAS BEEN OUT ON A DAILY BASIS TESTING THE CLAY. A SMOOTH DRUM ROLLER IS BEING USED FOR COMPACTION. THE SHEEPSFOOT WAS CREATING ADDITIONAL SURFACE AREA, CAUSING THE CLAY TO DRY OUT. GEOTEXTILE & RIP RAP HAS BEEN LAID IN SWALE ALONG EASTERN PL. BOART LONGER IS SCHEDULED TO ARRIVE ONSITE NEXT WEEK. 1000 TOUR SITE WITH TAMI TINKS OF MONTGOMERY WATSON HARTZ. LOOKED AT OFCA. WILL CONTINUE TO WORK ON SWALES AROUND PERIMETER. TINKS SPOKE W/ KES ABOUT REPAIRING SOME DAMAGED CONDUIT & EXTENDING PIPING AT BLOWER SIZED. WILL ALSO NEED TO "TEXTURIZE" CLAY WHERE TOP SOIL IS TO BE PLACED FOR FINAL CAP.

Margaret E. Mulken

(52) Margaret E. Mulken 08/14/2001

IN ORDER TO ENSURE STABILITY. ———
 1100 SPOKE W/ KEN FIELD OF MET. WILL MOVE
 APPROX. 40 TRUCK LOADS TODAY. THE FIREPOND
 AREA IS GETTING RATHER FULL & IT HAS BEEN
 A CHALLENGE MANAGING. MWH HAS BEEN
 SAMPLING THE EXCAVATED MATH AS WELL AS
 CONFIRMATION SAMPLES IN THE WETLANDS
 ONCE EXCAVATION OF AN AREA IS COMPLETE.
 MET IS LEAVING THE AREAS ANTICIPATED
 TO HAVE 50PPM OR ABOVE FOR THE END.
 THEY HAVE TAKEN MANY MEASURES TO KEEP
 THE AREA DRY, & THUS FAR, IT HAS BEEN
 WORKING. ———

1145 PERSONNEL PRESENT ———

TRAVIS KLINGFORTH	MWH
CLYDE LYNCH	KES
DON DAILY	KES
GROVER HOWARD	KES
JEFF WICHAM	KES
GARY VOCKER	AUSTGEN 150
GEORGE ALEXANDER	KES
MARK CHANDLER	KES
ED WILLIAMS	KES
JOHN EATON	KES
KEN FIELD	MET

Margaret E. Mulken

(53) Margaret E. Mulken 08/14/2001

MIKE HANCHAR	GE MARSHALL
DAN RADTKE	MET/MARSHALL
LOUIS MARSHALL	MET/MARSHALL
TIM KIRKLAND	AUSTGEN'S
MARGARET MULKEN	BVSFC
TOM TINICS	MWH
TODD LEWIS	MWH
JOE ADAMS	MWH

1300 OBSERVED WORK IN OFCA. KES SPREADING
 CLAY & WATERING IT DOWN. INSPECTED
 THE DETENTION POND. EARLIER, IN SPEAKING
 W/ T. TINICS, WAS INFORMED THAT GWTP
 DISCHARGE GOES TO A BAKER TANK STAGED
 JUST OUTSIDE THE FENCING ALONG THE
 NORTH SIDE OF THE OFCA. THIS WATER
 IS USED TO WET DOWN THE CLAY IN THE
 EVENINGS (PER TINICS) IT TAKES APPROX.
 4 HOURS FOR THE TANK TO FILL, WHEN
 THIS OCCURS, THEY LET IT OVERFLOW
 AS IT DRAINS TO THE DET. POND. IT
 IS DAMP IN THIS AREA, & A SMALL
 SWALE HAS ERODED FOR THE WATER
 TO MAKE ITS WAY TO THE POND.
 ALSO, ALL BUT 2 PIEZOMETERS HAVE
 BEEN REMOVED FROM THE OFCA. THE

Margaret E. Mulken

⑤ Margaret E. Mulken 08/14/2001

THE REMAINING PIEZOMETERS ARE LOCATED IN THE NORTHWEST CORNER OF THE SITE, JUST EAST OF THE DETENTION POND. ONE IS INSIDE THE WALL, THE OTHER IS OUTSIDE THE WALL. I ASKED TIMMS IF THEY HAD PLANS TO REPLACE THE REMOVED PIEZOMETERS. HE DID NOT KNOW, BUT STATED THAT THE TWO REMAINING WOULD BE SUFFICIENT, & THERE WAS NO NEED TO REPLACE THE OTHERS.

1340 PHOTO 17 ROLL 13 FACING

SOUTH. PHOTO OF KES PLACING RIP RAP & GEOTEXTILE IN SWALE ALONG WESTERN EDGE OF OFCA.

1410 PHOTO 18 ROLL 13 FACING SOUTH EAST IN ONSITE AREA. PHOTO OF FIRE POND WHERE PCB SPOILS ARE BEING STOCKPILED. TIMS SPOKE WITH TODD LEWIS. INQUIRED WHETHER THE FIRE POND WILL BE LARGE ENOUGH TO TAKE ALL THE SPOILS FROM THE PCB EXCAVATION. TODD STATED A DREDGE WILL COME TOMORROW TO LEVEL THE PILES & PUSH THEM INTO THE POND. AT THAT POINT HE WILL BE ABLE TO EVALUATE WHETHER THERE IS ENOUGH ROOM. IF NOT, THEY WILL FIND A PLACE TO STAGE THE REST. 1430 LEAVE SITE.

Margaret E. Mulken

⑤ Chad Salaf 08/16/2001

7:20 ARRIVED ONSITE @ ACS WATER TREATMENT Building. WEATHER, TEMP 68°F, RAINING Humidity 77% ACCORDING TO WEATHER gauge @ the WATER TREATMENT Bld.

7:50 Walked the Site Observed The PCB Removal Area and Stock pile AREA in the ONSITE AREA (Fire Pond) Also walk the OFFSITE AREA around the INDIAN CAP.

8:30 Follow People ARE PRESENT.

LEE DROZ	MWCE
JEFF Wickham	KES
GEORGE Alexander	KES
Mark Chandler	KES
ED William	KES
John Eaton	KES
GROVER Howard	KES
MIKE HANCHAR	MET/MARSHALL
Cycle Lynett	KES
Don Raelke	MET/MARSHALL
Louis Marshay	MET/MARSHALL
KEN Fiehl	MET
Tim Kirkman	Neustgen's
TRAVIS Klingbech	MWCE
Peter Vaght	MWCE

Chad Salaf

(56)

Chris Salaf 08/16/2001

8:45 Work Today has been called off, although we will have a construction meeting @ 10:00 am.

Talk w/ Pete Vogt of MWH site manager. He informed me MWH will be have a Conference Call with PRP's about Disposal of the Drum material, AND Evaluation and development of a pond in the wetlands.

10:24 Correlation Meeting.

Pete Vogt, Lee Crose, Todd Lewis, Rob, Melany, Shawn, Gueley, SAFETY - Tail Gate meeting

incl. vocal, hole site Salaf meeting twice week

Lee, Brought up the fact the Drilling starts Next week and KES People ARE NOT ALL HAZWOPER TRAINED.

Gravel Water treatment System

Running fine, Recharge Water Input into Electrical Power Shut off. Dug in from Cup Construction will return once KES will move out of the extraction from AREA

Chris Salaf

(57)

Chris Salaf

The Fire Pond extraction point is no longer operating due to fact the Fire Pond is filled in. MWH is looking for an alternative way to control water.

(COVER Construction (Jeff).

South area of 3+2 AREA to Grade AREA 3 - little work

East side 1 finished

Rob Adams - Harry Survey out Locate SVE Wells, PCB AREA Pollution, Grade for Fire Pond, Swab for OCEFA.

Scheduling Fix of HDPE 2" ON the well 11 and 20 in the old site AREA.

Jeff schedule.

Engineering Done by Next week early

Clay Drive end of Next week then Top Soil.

Following Sealing erosion mat.

Chris Salaf

(58)

Charles Luff 08/16/01

Boat Long Year will be Pushed
off short Date will be 27 August.
PCB Removal.

will Resume Tomorrow.
Started Pulling the ROAD
AND excavation back.

No Compaction Samples have
Restored but Local Lab has
Confirmed all sample to clean
2-3 Days will be finished.

For PCB Removal. Next is
a discussion of a wet land
Panel.

The Road for PCB Removal will be
moved to the Drum Pool for Decan
Drum will be rearranged.

The Road will Return to wet
lands to excavate Panel
Wetland 7-10 days to complete
Drum Removal. Disposal.

There is a medical Chart
PCI has been limited, Micro incapsul
has been limited, and ONLY has been
limited. May Adel Rouse

Charles Luff

(59)

Charles Luff 08/16/01

30 day extension for drum
has been issued.

11:35 finished the meeting / Shawn Grealy
AM I ARE GOING to walk the
Site.

Wet land looks good, MWT is
80% FINISHED WITH THE REMOVAL.
OFF SITE: INTERIM CAP 75% Done.

13:45 Left the Site - ~~not~~ Head Back
to office.

[Handwritten signature and scribbles]

(60)

Leigh Albright 8/21/01

1348 Larry Campbell and Leigh Albright
arrived at the site. Weather was
sunny, approx 78-80°

Personnel Present:

Gene Guinas GE Marshall

Don Radtke MEI/Marshall

Mike Hanchan GE Marshall

Lee Cross MWH

Ken Field MEI

Ryan Woods Eagle

Louis Marshall GE Marshall/MEI

Don Daily KES

Jim Hawkins Koester (KES)

Clyde Lynch KES

Mark Chandler KES

Grover Howard KES

John Eaton KES

Ed Williams KES

George Alexander KES

Gary Alexander Austgen's

Tim Kirkland Austgen's

Peter Vagt MWH

Travis Klingforth MWH

Tom Truics MWH

Larry Campbell BVSPC Leigh Albright BVSPC

Leigh Albright

Leigh E. Albright 8/21/01

(61)

Actions:

1. Decom and widening road from wetland area
2. Drums have been consolidated
3. Compaction and Moisture on off-site containment area attained on southern portion

1430 Roll #¹³~~14~~, Photo #19 facing north at
swale. Rip-rap being placed in filter
fabric on swale 1 on off site area

1440 Laborer observed removing rip-rap straps
that had been incorporated into the compacted
clay cover.

Roll #²⁰~~13~~, Photo #²⁰~~18~~ Facing south Photo
1442 of laborer removing stray rip-rap from
clay cover

Inserted road grader and vibratory
compactors smoothing clay cover
on south end of off site area near
swale 1.

clay being imported from off-site near
Area 2 and detention pond and Area 1
swale 3 completed and rip-rap has been
placed along the swale except
for road entrances

Leigh E. Albright

(62)

Jeff S. Elliott 7/21/01

15.45 Spoke with Travis K. regarding the pond construction at the PCB removed site near wetlands. Greatest depth of pond to be 8 feet and will be located 50 feet away from the PGCS and will follow outline of current excavation.

16.45 left site

Jeff S. Elliott
7/21/01

(63)

Jeff S. Elliott 8/23/01

750 Arrive onsite, cloudy. 70 °F

Personnel Onsite:

* Lee Dross	MWH	* K. Adler	USEPA
Don Radtke	Marshall/MEI	* P. Vagt	MWH
Gene Guines	Marshall/MEI	* Todd Lewis	MWH
Mike Hatcher	Marshall/MEI		
* Ken Field	MEI		
Clyde Lynch	KES-ISO		
* Travis Klingforth	MWH		
Louis Marshall	MEI/GE Marshall		
Ryan Woods	Eagle/MEI		
Mark Chandler	KES ISO		
ED Williams	KES ISO		
John Eaton	KES ISO		
Tim Kirkland	Austgen's		
* Jim Hawkins	Korster		
* Leigh Abrecht	BVSPL		
* Larry Campbell	BVSPL		

800 Spoke briefly with T. Klingforth. Samples were taken from the Wetlands Area - 5 samples on Wednesday. Minimal activity will be occurring on the off-site area due to rain on Wednesday evening. The temporary road in the wetland area has been completely removed.

Jeff S. Elliott

(64)

Josh Edwards 8/28/01

825 Spoke with K Felt (MEI) regarding decon activities of the temporary road used in wetland area. Active decon occurring in the drum pad area.

1000 Construction Meeting

Attendees - * in previous on-site list
Health & Safety

- no personal H+S issues, no personal accidents
- Austgen driver caught and pulled down temporary power line, severed at fused links as designed, occurred on 8/22/01. NIPSCO contacted 8/22/01, Austgen to repair 8/23/01. occurred in off-site area, filling out incident report 8/23/01.

- Weekly H+S mtg postponed to 8/24/01. T. Lewis to discuss incident and reinforce H+S

- maintaining morning tool box H+S mtgs.

GWTP

- on-line, processing P6CS + BWES water
- Potential Carbon change out on 9/5/01. L. Orsz to confirm need with COD sample on 8/23/01
- parts of manifold in use, will tie in to the blower shed.

OFCA Cover Construction

- Survey, compaction testing and wrap for

Josh Edwards

(65)

Swales to be completed 8/24/01

- Baker tank to be removed next week, will be used for dust control. Redirect off. to S of track.
- Top soil to be delivered on 8/27/01, seed out next week for measurements. Potentially completed after Labor Day.

ISVE

- Bant. Lungyear (B-L) mobilize 8/27/01 Kick-off mtg on 8/28/01. MW should have certifications + medicals clearance for on-site personnel next week
- Will begin on K-P area working North. Survey 8/24
- C. Smith (MWH) to provide oversight and air monitoring at the exclusion zone.
- B+L H+S plan approved by MWH, Level B req'd. for intrusive work

PCB Excavation

- temporary road being decon at drum storage area
- excavating material under gravel road will complete on 8/23/01. Materials stored at fire pond
- Local lab confirmed samples, waiting for Compuchem results. Excavation samples all less than 1ppm to date
- Road to be laid 8/27-8/28. Will begin excavating for pond at end of next week. excavation water to go to water treatment plant. Spoils (~10000cy) to go to OFCA staging for root zone cover.

Josh Edwards

(66)

High Saltwater 8/23/01

Blower Shed

- pad penetrating piping to be installed next week
- KES finishing pad elevation
- Ryan Const. to begin pad construction 9/4/01
- Blower shed delivery postponed for pad - mid Oct.

Off-Site Utility

- temporary power supply from EN20C to temp. pole
- permanent power from Colfax to Blower shed next wk
- Permanent power from Blower shed to EN20C - 80% to be placed.
- All power supplies to be placed under clay cap. Need to ensure maintenance of compaction of cap.
- Austgen assembling power boxes for OFCA Extraction wells.

BVES

- tentative agreement with CDS to install 48" manhole near EN20C. MNH to review H+S issues and plan with CDS. CDS to submit plans & sketches. Schedule to be coordinated. Installation next mo.

Drum Removal

- Client eliminated macroencapsulation. Investigating 3-4 incinerators. Final decision in 1-2 weeks.
- 90 day storage expires 8/31/01. Extension letter submitted to S. Grady

Next meeting 9/30/01 @ 1000

12/30 Meeting over

High Saltwater

(67)

High Saltwater 8/23/01

12:45 Roll # 13th Photo # 21st Facing East West
Photo of MNH working / inspecting wetland area of PCB removal and future pad location.

1300 leave site to head back to office

High Saltwater
8/23/01

(68)

8/28/01 *Jeff S. Smith*

0745 Arrive on Site. Partly Cloudy, breeze
 - 70°F-75°F spoke briefly with
 T. Klingforth regarding PCB excavation
 area. Excavation completed, 4 of the
 29-hr samples came back high. After
 Saturday's rain, dewatering area to BP
 Boat Longyear (BL) mobilized to site
 on 8/27/01. Kick-off mtg at 9:00.

0950 Personnel present on-site:

Lee Orosz MWH * Chad Smith MWH

Clyde Lynch KES

Ed Williams KES

John Eaton KES

* John Cook KES Boat-Longyear

* Alan Thayer "

* Ray Wilkins "

* Keith Laszewski "

* Jay Kortz "

* Ryan Fischer^{FA} Fischer "

* Jim Berthold "

Jim Hawkins KES

Jerry Clark Ryan

* Lawrence Erdman Boat-Longyear

Tim Kirkland Austgen's

* Travis Klingforth MWH

Jeff S. Smith

(69)

8/28/01

Jeff S. Smith

* Leigh Albrecht

BNSPC

Ken Field

MEI

0755 Roll 13 Photo 22; Facing West

Photo of wetland area, pump dewatering
 excavation.

0820 Spoke with C. Smith MWH regarding well locations

A 1 foot deep hole dug around location, hole approx
 4 feet wide. Clay staged near stake. MWH anticipate
 any liquids to stay in shallow excavation dug 8/27/01
 MWH to monitor perimeter, BL to air monitor
 exclusion zone.

0830 KES spreading topsoil on E portion Area 1. Compacting
 clay on Area 4. Surveyors to stake 15VE locations
 on north portion on 8/30/01.

0930 Kick off Meeting with Boat Longyear

Attendees * in previous on-site list and

David Morris Boat Longyear

Rob Adams MWH

Sean Grady IDEM

Tom Timics MWH/O

General H+S

potential for buried waste, contaminants of
 concern, other contractors, weather issues
 discussed. Boat Longyear health & safety and
 Keith Laszewski and Larry Erdman.

Jeff S. Smith

(70)

9/28/01

Jef Edlund

L. Erdman and K. Lasowski present this week.
 next week. HIS will be addressed by
 senior driller. BL to provide air monitoring
 at rig continuously - 30 min at exclusion
 zone perimeter. MWH quality check BL
 air monitoring at perimeter.

BL to provide caution tape to indicate wind
 Exclusion zone delineated by pylons and
 caution tape.

MWH reviewed PPE and donning/doffing
 site hours 6:30am - 4:30pm.

Spills to be placed on plastic sheeting,
 covered with plastic and transported
 to a roll off which will be tarped and
 taped as exclusion area.

Decon of auger flights and rods not necessary
 between holes.

1055 Meeting Adjourned

1120 Spoke with L. Campbell on site
 activities.

1130 left for lunch

1200 Return to Site

1215 Boart Longyear to set up rigs, zones and
 conduct a dress rehearsal of activities.

Begin to mobilize drill rigs.

Jef Edlund

Jef Edlund

(71)

1240 Roll 13 Photo 23 Facing East. Photo of
 Boart Longyear positioning drill rigs and
 equipment at SVE-1 and SVE-2

1250 Boart Longyear brought Draeger tubes for VC,
 3 PIO, 2 LEL/O₂ meters. Will bring spare
 equipment in case of breakdown.

1335 Roll 13 Photo 24 Facing North. Photo of
 L. Gross working on Blower Shed excavation and
 installation

1345 Roll 13 Photo 25 Facing Northeast. Photo of
 MWH installing piping in blower shed excavation

1425 BL completed demarking preliminary exclusion zone
 and contaminant reduction zone. Also tested respirators
 and air lines. Did not observe donning/doffing of PPE

~~1505 Roll 13 Photo 26 Facing South. Photo of~~

1505 Roll 13 Photo 26 Facing Southwest
 Photo of exclusion zone and contaminant
 reduction zone

1510 BL left site for day. Drilling activities to
 start 9/29/01

1320 Spoke w/R Adams re upcoming activities -
 piping on blower shed, may start trenching on
 SE of OPCA to blower shed. KES finish grading
 to sub. Turn of next week MWH to excavate areas
 of PCDs > 1ppm simultaneously with pond excavation

1540 - leave site

Jef Edlund

(72)

8/30/01 *Lyg Elliott*

- 0650 Arrive on site, Partly cloudy 70-75°F
Light breeze from east.
- 0655 Tail end of tool box H+S meeting
with Boush Longyear and C. Smith (MWH)
C. Smith indicated extra caution with
transporting spoils. 6 wells installed 8/29/01.
- 0705 Personnel Onsite:
- | | | | |
|-------------------|----------|--------------------|-------------|
| * Lee Orosz | MWH | * Jim Hawelma | KES |
| Lawrence Erdman | BLA | * Mike Rexing | KES |
| Chad Smith | MWH | * Trave Klingforth | MWH |
| Ed Williams | KES | * Tom Timics | MWH |
| Clyde Lynch | " | Tim Kirkland | Austgen |
| * Keith Luczewski | BLA | Gary Alexander | " |
| Alan Thomas | " | Brian Leebker | " |
| Roy Wilkins | " | G. Bonaguidi | Area Survey |
| John Cook | " | Scott Turner | " |
| Ryan Fischer | " | | |
| Jim Berthold | " | | |
| John Eaton | KES | | |
| Dan Radtke | Marshall | | |
| * Ken Field | MEI | | |
| Ryan Woods | Eagle | | |
| * Leigh Albrecht | BVSPL | | |
| * Larry Campbell | BVSPL | | |
| Louis Marshall | MEI | | |

(73)

Lyg Elliott

- 0720 Observed KES spreading topsoil in Area 3
- 0725 Spoke with L. Orosz (MWH) regarding
activities. Power lines installed from Colfax
to blower shed OFCA to CW20. Penetrated
clay 12 inches. Did not penetrate to underlying
materials. Trenches re compacted by machine
pushing clay to cap, drove over with tire, placed
more clay then compacted with roller. Blower shed
piping complete. to pour mud slab 8/30/01:
depending on weather. 28-day cure on concrete
to be poured next week. Still pumping water from
wetland to GUTP. No excavation activities.
- SVE Wells 1, 2, 5, 6, 7, 4 installed 8/24/01
- 0745 BLA began drilling SVE Well 3, windsocks on rigs.
- 0745 Roll 14, Photo 1. Facing South west. BLA
drilling SVE-3, C. Smith air monitoring perimeter
with PID
- 0755 Spoke with T. Klingforth (MWH) regarding air monitoring
BLA instructed on 8/29/01 to maintain log book.
Need to take readings every 30 min. per HASP
Wind now out of S/SW
- 0800 BLA performing perimeter monitoring
MEI on site, repairing detention pond and
weir. MET to use clay for weir and excavate
fills. Will excavate dry portion of wetland

Lyg Elliott

(74)

8/20/01

Luz E. Edwards

- 0835 MWH PID not working properly. Using BIA equipment. Tested MWH PID. Recalibrating MWH to get new PID today. Well depth ~20 ft
- 0855 L. Campbell arrive on site.
- 0920 T. Kingford adding topsoil to swale 4. Minimal slope, plan to increase depth and size raising sides 6-9 inches with top soil. No riprap - erosion matting r/used.
- 0930 Roll 14 Picture 2 Facing Northwest KCB laying topsoil for swale 4.
- 0930 Surveyors staking OFCA SVE well locations.
- 1010 Construction Meeting.
- Attendees X on previous list.
- Health & Safety: Near miss 8/22/01 Austgen driver pulled away with head up, caught powerline. broke at splices. NIPSCO notified, repaired by Austgen 8/27/01. Report to be filed. Instructed drivers to slow down. BLA H+S mtg held 8/25/01. BLA - modified level B. It sloppy borings - no PVC coated truck. MWH to post limited access signs. GWTP: running well, 90% of wetland water being treated. Decandad filled due to storms Saturday. MWH to replace pumps in wells 17 & 18 will be adding oxidizer in order to use effluent as water in scrubber. discharge 5 ft.

Luz E. Edwards

(75)

8/30/01

Luz E. Edwards

- tracks, Fuel tank gone from site.
- OFCA: Clay in, surveyed, tested ok. Topsoil installation 8/30-8/31, seeding 9/4. Swale 5 blew out riprap, installed bails of hay. Will be installing erosion matting in swales. Grading swale 4 with top soil, different than designed.
- PCB soils Excavation: dewatering to GWTP. Well fixing weir and detention pond. 4 areas to remove - high levels remain. Spoils from pond excavation to be staged near Colfax, silt fencing to be installed N of swale 3.
- ISVE: Try to finish K-P area on 8/30/01. Move cuttings to dumpster. BLA hydrating bentonite 10 min vs. 30 min in report. Goal to be done with OFCA on 9/14. Area Survey marking SVE wells on N side of OFCA. Prager tubes used for VC, ^{see} no hits. Suggested monitoring for cyanides - K Adlor. BLA monitors LEL, O₂, hydrogen sulfide gas, hydrogen cyanide gas and volatiles (PID).
- Blower Shed: penetrating piping placed this week. pipes numbered. Ryan to pour mud slab and concrete - finish next week. 28-day cement - seal - 2-3 days cure. Then install blower shed.
- Off-site Utility: Austgen laid power lines, Colfax line to blower shed - 80' distance to EN20C.

Luz E. Edwards

(76)

9/30/01 *High School*

lines direct bury ~12" below surface, all still in clay layer. tilled and compacted trench. In process of installing power boxes at each extraction well.

Next Meeting: September 7, 2001

1130 Mtg adjourn

1210 Spoke with T. Tinies - Monitors drum roll-offs twice daily. No hits as of yet.

1230 Leave site for lunch

1300 Return to site

1315 BLA moved spoil piles to lined / staged roll-off

1320 Roll 14 Picture 3 Facing west. Photo of piping at the blower shed on OFCA.

1350 BLA drilled modified level B PRE to drill remaining 2 K-PAREA SVE wells. 10+10

1355 Spoke with C. Smith regarding spoils roll-off. He will include roll-off area in his air monitoring.

1405 SVE-10 well installation was removed damage to screen, riser ok. BLA to reinstall

1544 Left site for day

John E. Adams
9/30/01

(77)

9/4/01

High School

1200 Arrive on site Warm, ~75-80°F. Clear. ~~light breeze from~~ wind from northeast

Personnel on-site

Lee Orosz MWH

Ken Field MEI

Ed Williams KES

Louis Marshall MEI

Chad Smith MWH

Tom Tinies MWH

Alan Thomas BLA

Roy Williams BLA

Steve Field MEI

Todd Lewis MWH

John Cook BLA

Wally Albrecht BYSPC

1240 Spoke with C. Smith (MWH). K-P area complete. No drilling on 8/31/01 due to weather. Decontaminating equip. to start on N side of OFCA.

1230 Walked OFCA, observed KES grading and compacting with drum roller north part of OFCA in Swale 4. KES importing top soil to northern OFCA.

1240 Roll 14 Photo 4 Facing North, truck depositing load of top soil, drum roller in background at Swale 4.

1250 Roll 14 Photo 5 Facing West. Decontaminated area, excavated areas of remaining

John E. Adams

(76)

9/30/01 *Log Sheet*

lines direct bury ~12" below surface, all still in clay layer. tilled and compacted trench. In process of installing power boxes at each extraction well

Next Meeting: September 7, 2001

1130 Mtg adjourn

1210 Spoke with T. Tinics - Monitors drum rolloffs twice daily. No hits as of yet.

1230 Leave site for lunch

1300 Return to site

1315 BLA moved spoil piles to lined / staged roll off

1320 Roll 14 Picture 3 Facing west. Photo at piping at the blower shed on OFCA.

1350 BLA donned modified Lux1 B PPE to drill remaining 2 K-PAPA SVE wells 18+10

1355 Spoke with C Smith regarding spoils roll off. He will include roll off area in his air monitoring.

1405 SVE-10 well installation was removed. Damage to screen, visor ok. BLA to reinstall.

1544 Left site for day

John E. Adams
9/30/01

(77)

9/4/01

Log Sheet

1200 Arrive on site. Warm, ~75-80°F, clear, light breeze from ^{SW} wind from northeast

Personnel on-site

Lee Orosz MWH

Ken Field MEI

Ed Williams KES

Louis Marshall MEI

Chad Smith MWH

Tom Tinics MWH

Alan Thomas BLA

Roy Williams BLA

Steve Field MEI

Todd Lewis MWH

John Cook BLA

Hugh Albrecht BYSPC

1240 Spoke with C Smith (MWH) K-P area complete no drilling on 8/31/01 due to weather. Decontaminating equip to start on N side of OFCA

1230 Walked OFCA, observed KES grading and compacting with drum roller north part of OFCA in Swale 4.

KES importing top soil to northern OFCA

1240 Roll 14 Photo 4 Facing North, Truck depositing load of top soil, drum roller in background at swale 4.

1250 Roll 14 Photo 5 Facing West. Dewatered wetland area, excavated areas of remaining

John E. Adams



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #1

Date: 08-07-01 Time: 07:30

Photographer: Larry Campbell

Description: Photo facing west showing Great Lakes
Soil & Environmental taking nuclear
density test of compacted clay cover in
OFCA.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #2

Date: 08-07-01 Time: 07:45

Photographer: Larry Campbell

Description: Photo facing south showing KES disking
clay cover in OFCA.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #3

Date: 08-07-01 Time: 07:50

Photographer: Larry Campbell

Description: Photo facing southwest showing water truck adding moisture to clay cover in OFCA.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #4

Date: 08-07-01 Time: 08:10

Photographer: Larry Campbell

Description: Photo facing north showing imported clay dumped southeast of OFCA blower pad (piping in front of dozer blade).



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #5

Date: 08-07-01 Time: 08:15

Photographer: Larry Campbell

Description: Photo facing north showing dozer
spreading imported clay for OFCA cover
southeast of blower shed location.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #6

Date: 08-07-01 Time: 10:45

Photographer: Larry Campbell

Description: Photo facing south showing swale 2 in
OFCA.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #7

Date: 08-09-01 Time: 11:30

Photographer: Larry Campbell

Description: Photo facing west at western end of PCB
soil excavation.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #8

Date: 08-09-01 Time: 11:40

Photographer: Larry Campbell

Description: Photo looking east showing PCB soil
excavation south of temporary roadway.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #9

Date: 08-09-01 Time: 11:42

Photographer: Larry Campbell

Description: Photo looking east showing PCB soil excavation (and drainage ditch) on north side of temporary roadway.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #10

Date: 08-09-01 Time: 11:50

Photographer: Larry Campbell

Description: Photo looking west showing Travis Klingforth preparing to locate PCB soil excavation clearance sample locations.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #11

Date: 08-09-01 Time: 11:55

Photographer: Larry Campbell

Description: Photo looking northeast showing Travis Klingforth placing flag at selected PCB soil clearance sample location.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #12

Date: 08-09-01 Time: 12:10

Photographer: Larry Campbell

Description: Photo looking south at partially filled firepond in ONCA.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #13

Date: 08-09-01 Time: 12:12

Photographer: Larry Campbell

Description: Photo looking southwest showing
excavated PCB soils stockpiled on west
side of firepond.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #14

Date: 08-09-01 Time: 12:25

Photographer: Larry Campbell

Description: Photo looking north showing KES
backhoe building soil pad for OFCA
blower pad.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #15

Date: 08-09-01 Time: 12:30

Photographer: Larry Campbell

Description: Photo looking north showing KES
excavator preparing base of swale 3 on
east side of OFCA.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #17

Date: 08-14-01 Time: 13:40

Photographer: Margaret Mulkerrin

Description: Photo facing south showing KES placing
riprap and geotextile in swale 1 along
western edge of the OFCA.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #18

Date: 08-14-01 Time: 14:10

Photographer: Margaret Mulkerrin

Description: Photo facing southeast of firepond on
ONCA where excavated PCB soils are
being stockpiled.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #19

Date: 08-21-01 Time: 14:36

Photographer: Leigh Albrecht

Description: Photo facing north showing riprap being
placed on filter fabric at swale 1 along the
western edge of the OFCA.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #20

Date: 08-21-01 Time: 14:40

Photographer: Leigh Albrecht

Description: Photo facing south of laborer removing
stray riprap from the western edge of the
OFCA clay cover near swale 1.

Photo #21

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #21

Date: 08-23-01 Time: 12:45

Photographer: Leigh Albrecht

Description: Photo facing west of MWH personnel
inspecting excavated wetland area and
future pond location.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #22

Date: 08-28-01 Time: 07:55

Photographer: Leigh Albrecht

Description: Photo facing west of water being pumped to the GWTP from the flooded wetland area.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #23

Date: 08-28-01 Time: 12:40

Photographer: Leigh Albrecht

Description: Photo facing east of Boart Longyear positioning drill rigs and equipment at SVE-1 and SVE-2



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #24

Date: 08-28-01 Time: 13:35

Photographer: Leigh Albrecht

Description: Photo facing north of Lee Orosz working on blower shed pad and piping installation.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #25

Date: 08-28-01 Time: 13:45

Photographer: Leigh Albrecht

Description: Photo facing northeast of MWH installing piping in blower shed excavation.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 13 Photo #26

Date: 08-28-01 Time: 15:05

Photographer: Leigh Albrecht

Description: Photo facing southwest showing the
exclusion zone and contaminant reduction
zone layout for the ISVE well installation.